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#7

Sheet 1 of 20

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use several sheets if necessary) (PTO-1449)	ATTY. DOCKET NO. 19603/2293 (CRF D-572L)	SERIAL NO. 09/299,426
	APPLICANT Stephen A. Johnston and John C. Sanford	
	FILING DATE April 26, 1999	GROUP ART UNIT 1638

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
DJE ↓	1	4,396,601	08/02/83	Salser et al.			
	2	4,632,909	12/30/86	Carter et al.			
	3	156,188	02/16/88	Greatbatch et al.			
	4	4,536,475	08/20/85	Anderson			

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DJE ↓	5	85 04898	07/11/85	WO			
	6	0 194 809	09/17/86	EP			
	7	0 110 385	06/13/84	EP			
	8	0 140 308	05/08/85	EP			
	9	2 148 302 A	05/30/85	UK			
	10	83/01451	04/28/83	WO			

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	12	Ellison et al., "Thermal Regulation of β -Galactosidase Synthesis Using Anti-Sense RNA Directed Against the Coding Portion of the mRNA," <u>J. Biol Chem.</u> , 260(16):9085-9087 (1985)
	13	Harland et al., "Translation of mRNA Injected into <i>Xenopus</i> Oocytes is Specifically Inhibited by Antisense RNA," <u>J. Cell Biol.</u> , 101:1094-1099 (1985)
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	15	Mizuno et al., "Regulation of Gene Expression by a Small RNA Transcript (micRNA) in <i>Escherichia Coli</i> K-12," <u>Proc. Japan Acad.</u> , 59:335-338 (1983)
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DF	17	4,407,956	10/04/1983	Howell, et al	1	1	1
↓	18	4,774,182	09/27/88	Szybalski	1	1	1

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DF	19	0 126 546	11/28/84	EP	1	1	1
↓	20	84/02913	08/02/84	WO	1	1	1
	21	0 067 553	12/22/82	EP	1	1	1

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DF	22	Rosenberg et al., "Production of Phenocopies by <i>Kruppel</i> Anti-Sense RNA Injection Into <i>Drosophila</i> Embryos," <u>Nature</u> , 313:703-706 (1985)
	23	Weintraub et al., "Anti-Sense RNA as a Molecular Tool for Genetic Analysis," <u>Trends in Genetics</u> , 1:22-25 (1985)
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DDF	30	0 242 016	10/21/87	EP	1	1	1
J	31	86/05516	03/17/86	WO	1	1	1

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DDF	32	Schumann et al., "Cloning and Biological Characterization of the Immunity Region of <i>Escherichia coli</i> Phage Mu," <u>Gene</u> , 5:275-290 (1979)
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	34	Zamecnik et al., "Inhibition of Rous Sarcoma Virus Replication and Cell Transformation by a Specific Oligodeoxynucleotide," <u>Proc. Natl. Acad. Sci. USA</u> , 75(1):280-284 (1978)
	35	Abel et al., "Delay of Disease Development in Transgenic Plants That Express the Tobacco Mosaic Virus Coat Protein Gene," <u>Science</u> , 232:738-743 (1986)
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DF	41	0 223 399	05/27/87	EP	1	1	1
↓	42	0 240 332	10/07/87	EP	1	1	1

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DF	43	Friedman et al., "Expression of a Truncated Viral <i>Trans</i> -Activator Selectively Impedes Lytic Infection by Its Cognate Virus," <u>Nature</u> , 335:452-454 (1988)
	44	Gerlach et al., "Construction of a Plant Disease Resistance Gene From the Satellite RNA of Tobacco Ringspot Virus," <u>Nature</u> , 328:802-805 (1987)
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	47	Loesch-Fries et al., "Expression of Alfalfa Mosaic Virus RNA 4 in Transgenic Plants Confers Virus Resistance," <u>The EMBO Journal</u> , 6(7):1845-1851 (1987)
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	49	Nelson et al., "Virus Tolerance, Plant Growth, and Field Performance of Transgenic Tomato Plants Expressing Coat Protein from Tobacco Mosaic Virus," <u>Bio/Technology</u> , 6:403-409 (1988)
	50	Petrovskis et al., "Reduced Yield of Infectious Pseudorabies Virus and Herpes Simplex Virus From Cell Lines Producing Viral Glycoprotein gp50," <u>Journal of Virology</u> , 62(6):2196-2199 (1988)
51	Salter, "Gene Insertion into the Avian Germ Line," <u>Animal Breeding Opportunities</u> , 12:32-57 (1988)	
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DF	53	Whitaker-Dowling et al., "Viral Interference-Dominance of Mutant Viruses Over Wild-Type Virus in Mixed Infections," <u>Microbiol. Rev.</u> , 51(2):179-191 (1987)
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D. J. [Signature]

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8/26/83

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	63	AU-A-63924/86	4/30/97	AU		

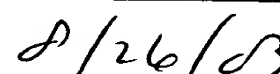
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DF	64	Baulcombe et al., "Expression of Biologically Active Viral Satellite RNA from the Nuclear Genome of Transformed Plants," <u>Nature</u> , 321:446-449 (1986)
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✓	72	Braun et al., "Expression of Amino-Terminal Portions or Full-Length Viral Replicase Genes in Transgenic Plants Confers Resistance to Potato Virus X Infection." <u>The Plant Cell</u> , 4:735-744 (1992)

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	76	Longstaff et al., "Extreme Resistance to Potato Virus X Infection in Plants Expressing a Modified Component of the Putative Viral Replicase," <u>The EMBO Journal</u> , 12(2):379-386 (1993)
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	78	Rezaian et al., "Anti-Sense RNAs of Cucumber Mosaic Virus in Transgenic Plants Assessed for Control of the Virus," <u>Plant Molecular Biology</u> , 11:463-471 (1988)
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	80	Lindbo et al., "Untranslatable Transcripts of the Tobacco Etch Virus Coat Protein Gene Sequence Can Interfere with Tobacco Etch Virus Replication in Transgenic Plants and Protoplasts," <u>Virology</u> , 189:725-733 (1992)
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84	Beachy et al., "Coat Protein-Mediated Resistance Against Virus Infection," <u>Annu. Rev. Phytopathol.</u> , 28:451-474 (1990)
85	Fitch et al., "Virus Resistant Papaya Plants Derived from Tissues Bombarded with the Coat Protein Gene of Papaya Ringspot Virus," <u>Bio/Technology</u> , 10:1466-1472 (1992)
86	Van der Wilk et al., "Expression of the Potato Leafroll Luteovirus Coat Protein Gene in Transgenic Potato Plants Inhibits Viral Infection," <u>Plant Molecular Biology</u> , 17:431-439 (1991)
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88	Gielen et al., "Engineered Resistance to Tomato Spotted Wilt Virus, a Negative-Strand RNA Virus," <u>Bio/Technology</u> , 9:1363-1367 (1991)
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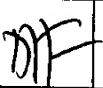
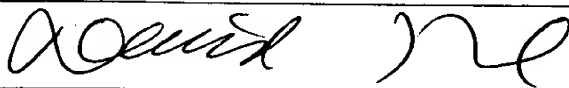
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	95	Hull et al., "Approaches to Nonconventional Control of Plant Virus Diseases," <i>Critical Reviews in Plant Sciences</i> , 11(1):17-33 (1992)
	96	van den Elzen et al., "Engineering Virus Resistance in Agricultural Crops," <i>Plant Molecular Biology</i> , 13:337-346 (1989)
	97	Coleman et al., "The Use of RNAs Complementary to Specific mRNAs to Regulate the Expression of Individual Bacterial Genes," <i>Cell</i> , 37:429-436 (1984)
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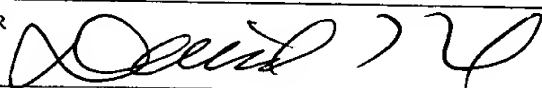
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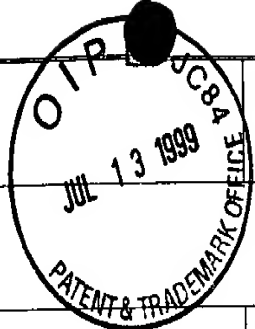
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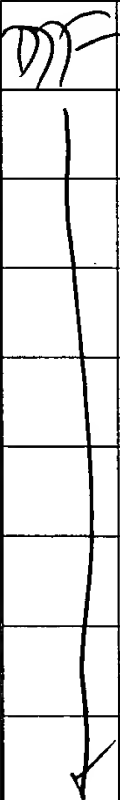
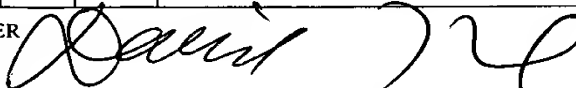
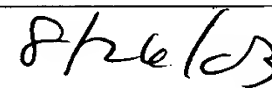
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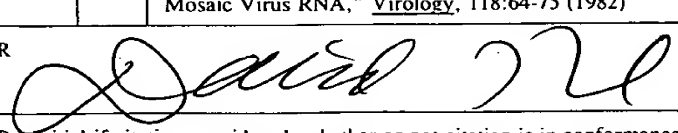
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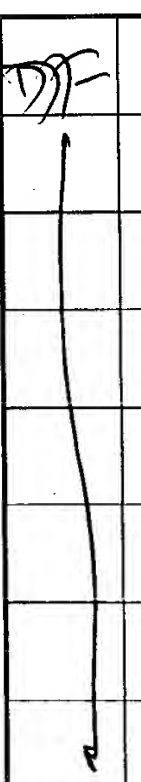
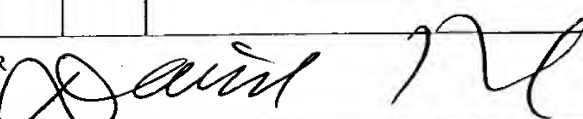
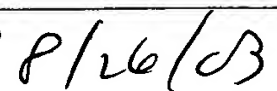
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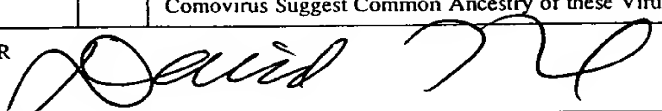
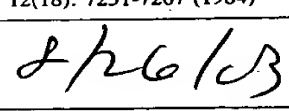
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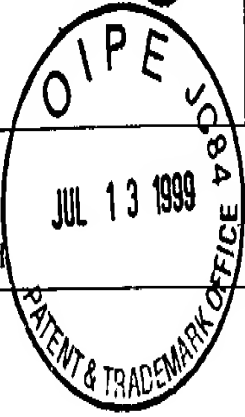
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	197	Graham, et al., "A New Technique for the Assay of Infectivity of Human Adenovirus 5 DNA," <u>Virology</u> 52:456-467 (1973)